

Abstract:

5 This invention relates to Glycine-rich protein (Glyrichin), as well as its coding
gene and application, especially relates to the application for antibacterial purpose. The
Glyrichin of the present invention are at least one selected from the following protein
families: proteins having amino acid residues in Sequence 1, 3-14 in the Sequence List
or protein with antibacterial activities having 1 to 20 amino acid residues of sequence 1,
3-14 being deleted, inserted and/or substituted and with 1 to 20 amino acid residue
10 sequences being added to the carboxyl terminal or amino terminal of Sequence 1 and 3-
14 of the Sequence List correspondingly. The Glyrichin of the present invention and the
coding gene can be applied to antibacterial purpose, such as the preparation of drugs for
prevention and/or treatment of human or livestock infectious bacterial diseases; for the
preparation of products for prevention and/or treatment of potentially infectious
15 bacterial diseases of different kinds of creatures; for the production of transgenic
creatures which can defend against diseases and pests; for the preparation of the
derivatives, antagonists as well as its ligands and antibodies of Glyrichin.